Fast Flux Test Facility Closure Project And Advanced Reactor Transition Program

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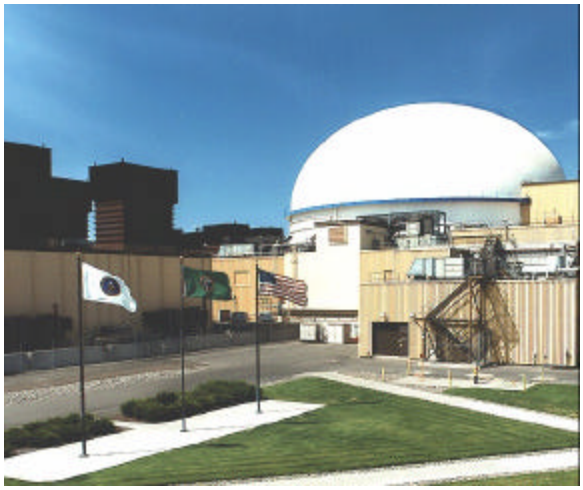


FFTF

Solid Waste Cask

Nuclear Energy Legacies:
337 High Bay

Plutonium Recycle Test Reactor:
309 Building

Overview

The mission of the Fast Flux Test Facility (FFTF) Closure Project, Project Baseline Summary (PBS) RL-CP04, is to deactivate and decommission the FFTF.

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor activities.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2003.

NOTABLE ACCOMPLISHMENTS

FFTF Closure Project (PBS RL-CP04)

Fuel Offload: The third cask of the current twelve Interim Storage Cask (ISC) campaign was loaded and delivered to the 400 Area Interim Storage Area. Before fuel assemblies are loaded into the ISC, they are washed in the Sodium Removal System to remove sodium deposits, and then thoroughly dried. Each ISC holds seven fuel assemblies in dry, above-ground storage.

Preparations to ship fuel to the Plutonium Finishing Plant continued and remain on track to support delivery by mid-August. Efforts were focused on receiving and assembling the ISC offload crane, placing the ISC storage pads, and final approvals on the appropriate administrative changes to the various facility documentation.

Interim Heat Exchanger (IHX) Secondary Sodium Drain: Preparations to complete draining sodium from the secondary side of the three Main Heat Transport System IHX's progressed to the point of removing heaters and insulation from piping in all three Main Heat Transport loops. Additionally, the vent lines were cut and appropriate sealing devices were installed as required prior to the dip tube installation.

The dip tube required to remove secondary sodium from the Loop 1 IHX was installed and preparations for dip tube installation in Loops 2 and 3 are underway. The procedure for draining the IHXs was distributed for final review and approval.

ART Program (PBS RL-RC03)

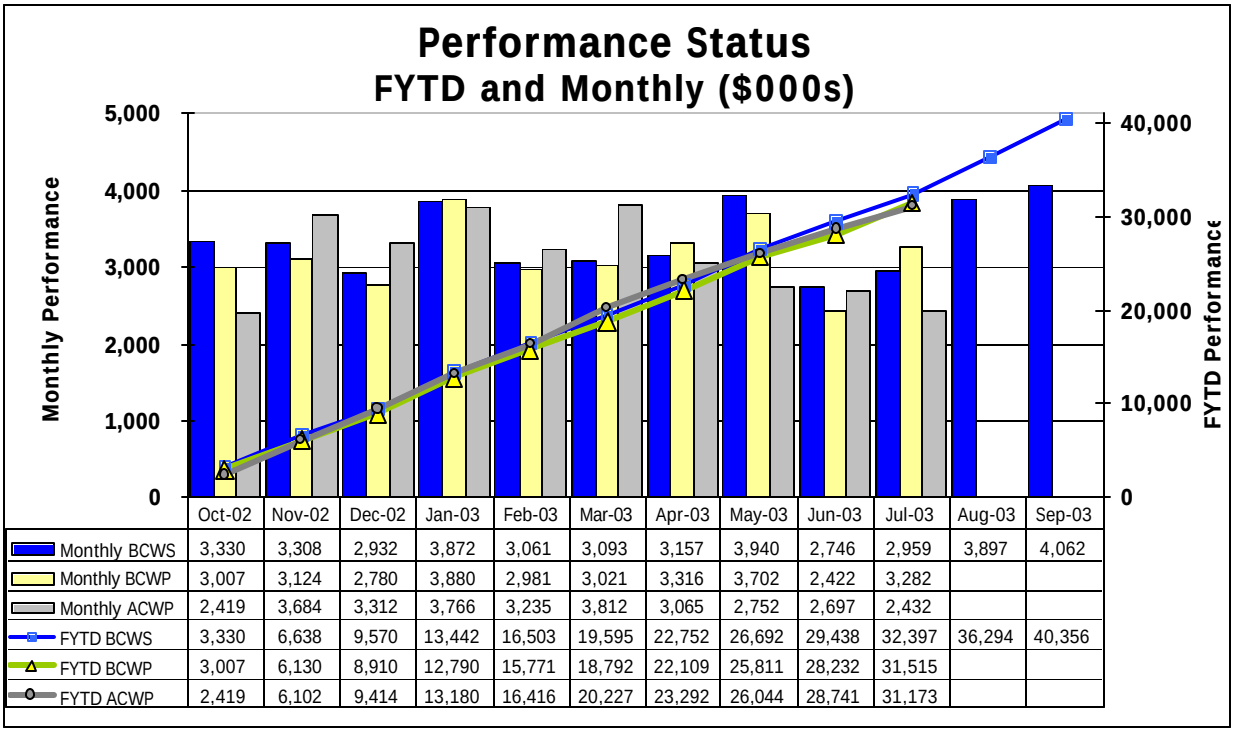
NE Legacies Deactivation: Cleaning of residual sodium from the 3718-M tank began on July 22, 2003. Within a few days, process data indicated that the reaction between the sodium and water vapor had decreased to a very low rate. Preparations are now being made to initiate a water rinse of the tank.

FY 2003 SCHEDULE/COST PERFORMANCE ($000)

Schedule Performance (-$882K): The FFTF schedule variance is within the established threshold. The unfavorable ART schedule variance is due to the delay in awarding the tank cleaning contract. FH began cleaning the 3718-M tank using FH staff in July 2003. A contract has been placed for cleaning the second vessel later this fiscal year.

Cost Variance Analysis (+$342K): The favorable FFTF and ART cost variances are within the established threshold, therefore no variance analyses are provided.

		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
RL-CP04	**FFTF Proiect**	30.885	30.287	30.037	-598	-2%	250	1%	38.151
RL-RC03	**Advanced Reactor Transition**	1,512	1,228	1,136	-285	-23%	91	7%	2,204
Total ART and FFTF		**32,397**	**31,515**	**31,173**	**-882**	**-3%**	**342**	**1%**	**40,356**



	Oct-02	Nov-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03
Monthly BCWS	3,330	3,308	2,932	3,872	3,061	3,093	3,157	3,940	2,746	2,959	3,897	4,062
Monthly BCWP	3,007	3,124	2,780	3,880	2,981	3,021	3,316	3,702	2,422	3,282		
Monthly ACWP	2,419	3,684	3,312	3,766	3,235	3,812	3,065	2,752	2,697	2,432		
FYTD BCWS	3,330	6,638	9,570	13,442	16,503	19,595	22,752	26,692	29,438	32,397	36,294	40,356
FYTD BCWP	3,007	6,130	8,910	12,790	15,771	18,792	22,109	25,811	28,232	31,515		
FYTD ACWP	2,419	6,102	9,414	13,180	16,416	20,227	23,292	26,044	28,741	31,173		

MILESTONE ACHIEVEMENT

Number	Milestone Title	(TPA/DNSFB/PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
PI-S3-4a	Secondary system sodium drain	PI	5-31-03	4-16-03		Complete
PI-S3-4b	Fuel Offload - 81 assemblies	PI	1-22-04		1/22/04	In progress
M-81-12	Inititate FFTF sodium drain	TPA	6-30-03	4-7-03		Complete

FY 2003 FH FUNDS VS FORECAST ($000)

	Expected Funds	Spend Forecast	Variance
RL-CP04 Fast Flux Test Facility	$ 38,172	$ 37,061	$ 1,111
RL-RC03 Advanced Reactor Transition	$ 2,219	$ 1,566	$ 653
Total	**$ 40,391**	**$ 38,627**	$ 1,764